

Bibliographic Fields

Document Identity

(19) 発行国 •	(19) [Publication Office]
日本国特許庁 • • • •	Japan Patent Office (JP)
(12) 公報種別 •	(12) [Kind of Document]
公開特許公報 • • •	Unexamined Patent Publication (A)
(11) 公開番号 •	(11) [Publication Number of Unexamined Application]
特開 • • • • •	Japan Unexamined Patent Publication 2000 - 342623 (P2000 - 342623A)
(43) 公開日 •	(43) [Publication Date of Unexamined Application]
平成 • • 年 • • 月 • • 日 • • • • • • • • • •	2000 December 12 days (2000.12 . 12)

Public Availability

(43) 公開日 •	(43) [Publication Date of Unexamined Application]
平成 • • 年 • • 月 • • 日 • • • • • • • • • •	2000 December 12 days (2000.12 . 12)

Technical

(54) 発明 • 名称 •	(54) [Title of Invention]
防漏 • • • 有 • • 吸収性物品	ABSORBENT ARTICLE WHICH POSSESSES ANTI 漏 CUFF
(51) 国際特許分類第 7 版 •	(51) [International Patent Classification, 7th Edition]
A61F 13/494	A61F 13/494
13/15	13/15
5/44	5/44
5/452	5/452
13/514	13/514
13/515	13/515
FI •	[FI]
A41B 13/02 K	A41B 13/02 K
A61F 5/44 H	A61F 5/44 H
5/452	5/452
13/18 320	13/18320
332	332
請求項 • 数 •	[Number of Claims]
• •	11
出願形態 •	[Form of Application]
• •	OL
全頁数 •	[Number of Pages in Document]

JP2000342623A

2000-12-12

•
..... (参考) •
3B0294C0034C098
F (参考) •
3B029 BD12 BD13 BD14 4C003 AA08 AA12
AA18 BA06 BA08 CA01 DA06 HA05 4C098
AA09 CC03 CC10 CC15 CE06 CE07 DD05
DD10 DD25

Filing

審査請求 •
未請求
(21) 出願番号 •
特願平
(22) 出願日 •
平成 • • 年 • 月 • 日 • • • • •

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9
[Theme Code (For Reference)]
3 B0294C0034C098
[F Term (For Reference)]
3 B029 BD12 BD13 BD14 4C003 AA08 AA12 AA18 BA 06
BA 08 CA01 DA06 HA05 4C098 AA09 CC03 CC10 CC15
CE06 CE07 DD05 DD10 DD25

[Request for Examination]
Unrequested
(21) [Application Number]
Japan Patent Application Hei 11 - 159658
(22) [Application Date]
1999 June 7 days (1999.6 . 7)

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Abstract

(57) 要約・

課題・

使・捨・・・・・吸収性物品・・・・・優
・横漏・防止機能・備・・・・・防漏・・・・・得・・・・

解決手段・

吸収性物品・防漏・・・・・中腹・・・・・中心
側・突出・・・・・形成・・・・

・防漏・・・・・横漏
・防止効果・高・・・・・

・・・・・防漏・・・・・2・以上設
・・・・・間隔・・・・・互・・・・・接合・・・・
・・・・・形成・・・・・排泄物・・・・
・保持・・・・・

[Patent Attorney]

[Name]

Field & Saki *Teruo

(57) [Abstract]

[Problems to be Solved by the Invention]

In disposable diaper or other absorbent article, anti leak cuff which has side leak prevention function which is superior is obtained.

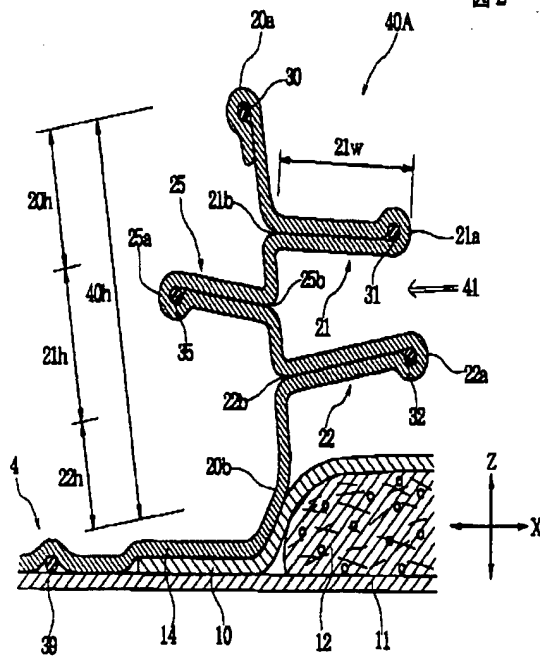
[Means to Solve the Problems]

In medium fore-edge of anti leak cuff of absorbent article, flap which protruding is done is formed in center side.

Regarding this anti leak cuff, side leak prevention effect can be made high with flap.

In addition, flap 2 or more is provided in anti leak cuff of the one, flap puts in place spacing and pocket can be formed by being connected mutually, can keep waste in pocket.

図 2



Claims

特許請求・範囲・

請求項 1・

[Claim(s)]

[Claim 1]

受液側・向・・・・透液性・・・・・・外側・向・・・・・・前記・・・・・・
 ・前記・・・・・・間・挾・・・・吸収・・・・
 ・有・・・・本体・・・・前記本体・受液側・本体・長手方向・延・且・前記長手方向・直交・幅方向・両側・配置・・・・一対・防漏・有・・・・吸収性物品・・・・

上記一対・防漏・・・・一方・縁部・固定縁部・・・・前記本体・固定・・・・他方・縁部・自由縁部・・・・・・自由縁部・前記長手方向・伸縮力・発生・・・・防漏・・・・起立・・・・第1・弾性部材・設・・・・

前記防漏・・・・前記固定縁部・自由縁部・・・・間・・・・前記防漏・・・・構成・・・・・・折・畳・・・・・・折・畳・内面・接合・・・・・・
 ・前記本体・幅方向・中心側・向・・・・突出形成・・・・・・特徴・・・・・・吸収性物品・・・・

請求項2・

前記・・・・・・前記防漏・・・・・・本体・幅方向・中心側・幅方向・外側・双方・突出形成・・・・・・請求項1記載・吸収性物品・・・・

請求項3・

前記・・・・・・前記防漏・・・・・・本体・幅方向・中心側・少・・・・2・設・・・・第2・第3・・・・・・形成・・・・2・・・・・・共・本体・長手方向・延・請求項1記載・吸収性物品・・・・

請求項4・

第2・第3・・・・・・本体・長手方向・間隔・開・・・・互・・・・接合・・・・前記接合・・・・接合部間・・・・前記第2・第3・・・・・・形成・・・・・・請求項3記載・吸収性物品・・・・

請求項5・

前記第2・第3・・・・・・中間・・・・・・前記・・・・・・防漏・・・・幅方向・外側・突出形成・・・・・・外向・・・・・・形成・・・・・・請求項3・・・・4記載・吸収性物品・・・・

top sheet of liquid-permeable which is directed to receiving liquid side and backsheet which is directed to outside and, On receiving liquid side of main body * and aforementioned main body which possess aforementioned top sheet and absorption core which is put between between aforementioned backsheet extension and the aforementioned longitudinal direction in absorbent article which possesses anti 漏 cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body,

Anti 漏 cuff of above-mentioned pair on one hand edge to be locked by aforementioned main body as fixed edge and the edge of other becoming free edge, in this free edge generating extension and retraction power in aforementioned longitudinal direction anti 漏 cuff providing first elastic member which stands up,

absorbent article * which, folding sheet which aforementioned anti 漏 cuff configuration is done, flap which connects folding interior surface, directing to center side of transverse direction of aforementioned main body, protruding is formed in aforementioned fixed edge of aforementioned anti 漏 cuff and and between free edge makes feature

[Claim 2]

As for aforementioned flap, from aforementioned anti 漏 cuff transverse direction center side of main body and, absorbent article * which is stated in Claim 1 which protruding is formed to both parties of outside of transverse direction

[Claim 3]

absorbent article * which is stated in Claim 1 where aforementioned flap, from aforementioned anti 漏 cuff two being provided at least in center side of transverse direction of main body, forms flap of the second and third, as for these 2 flap together extends to the longitudinal direction of main body

[Claim 4]

flap of second and third is connected, opening spacing to longitudinal direction of main body, mutually, with aforementioned connecting between joined portion, absorbent article * which is stated in Claim 3 where the pocket is formed by aforementioned second and flap of the third

[Claim 5]

In aforementioned second and intermediate of flap of third, aforementioned flap protruding being formed to outside of the transverse direction of anti 漏 cuff, absorbent article * which is stated in Claim 3 or 4 which forms outside direction flap

請求項 6・

前記・・・・・・防漏・・・・・・突出長・・・・5mm
以上 10mm 以下・・・・請求項 1~5・・・・・・
・記載・吸収性物品・

請求項 7・

防漏・・・・前記・・・・・・複数設・・・・・・場合
・第2・第3・・・・・・間隔・最・離・・・・
・部分・前記間隔・10mm 以上 15mm 以下・
・・・・請求項 1~6・・・・・・記載・吸収性物
品・

請求項 8・

前記各・・・・・・自由端・・・・・・本体・長手方向
・伸縮力・発揮・・・・弾性部材・設・・・・・・本
体部・長手方向・平面・・・・・・展開・・・・
・・・・第1・弾性部材・収縮張力・各・・・・
・・・・設・・・・弾性部材・伸縮張力・・・・大・
・請求項 1~7・・・・・・記載・吸収性物
品・

請求項 9・

受液側・向・・・・・・透液性・・・・・・外
側・向・・・・・・前記・・・・・・
・前記・・・・・・間・挟・・・・・・吸収・・・・
・有・・・・本体・・・・前記本体・受液側・本
体・長手方向・延・且・前記長手方向・直交
・幅方向・両側・配置・・・・・・一対・防漏・
・有・・・・吸収性物品・・・・・・

上記一対・防漏・・・・・・一方・縁部・固定縁
部・・・・前記本体・固定・・・・他方・縁部・自
由縁部・・・・・・自由縁部・前記長手方向
・伸縮力・発生・・・・防漏・・・・起立・・・・第1
・弾性部材・設・・・・・・

前記防漏・・・・・・前記固定縁部・自由縁部・・・・
間・波形・・・・・・前記本体・幅方向中心
側・向・2・・・・波・頂点・・・・・・前記長手方
向・間隔・開・・・・・・接合・・・・・・

前記接合・・・・・・接合部間・前記2・・・・波形・
間・・・・・・形成・・・・・・特徴
・・・・・・吸収性物品・

請求項 10・

前記波形・頂点・・・・・・本体・長手方向・伸縮力
・発揮・・・・弾性部材・設・・・・・・本体部・長手
方向・平面・・・・・・展開・・・・・・第1

[Claim 6]

protruding length from anti leak cuff of aforementioned flap,
the absorbent article which is stated in any of Claim 1~5
which is 5 mm or greater 10 mm or less

[Claim 7]

In anti leak cuff aforementioned flap multiple when it
is provided, spacing of flap of second and third most with
portion which is left, absorbent article which is stated in
any of the Claim 1~6 where aforementioned spacing is 10 mm
or greater 15 mm or less

[Claim 8]

When in free end of aforementioned each flap, it can provide
the elastic member which shows extension and retraction
power to longitudinal direction of main body, main body
in order for longitudinal direction to become plane,
developing, contraction tension of first elastic member,
absorbent article which is stated in any of the large Claim
1~7 in comparison with extension and retraction tension of
elastic member which is provided in each flap

[Claim 9]

top sheet of liquid-permeable which is directed to receiving
liquid side and backsheet which is directed to outside and, On
receiving liquid side of main body and aforementioned
main body which possess aforementioned top sheet and
absorption core which is put between between aforementioned
backsheet extension and the aforementioned longitudinal
direction in absorbent article which possesses anti leak cuff of
pair which is arranged in both sides of transverse direction
which crosses in longitudinal direction of main body,

Anti leak cuff of above-mentioned pair on one hand edge to be
locked by aforementioned main body as fixed edge and the
edge of other becoming free edge, in this free edge generating
extension and retraction power in aforementioned longitudinal
direction anti leak cuff providing first elastic member which
stands up,

Aforementioned anti leak cuff is made waveform between
the aforementioned fixed edge and free edge, apex of 2
waves which face to transverse direction center side of
aforementioned main body, opening spacing to
aforementioned longitudinal direction, is connected,

Between joined portion, pocket is formed between
aforementioned 2 waveform with aforementioned connecting,
absorbent article which is and makes feature

[Claim 10]

When in apex of aforementioned waveform, it can provide the
elastic member which shows extension and retraction power
to longitudinal direction of main body, main body in order for

・弾性部材・収縮張力・前記波形・頂点・
設・弾性部材・伸縮張力・大・請求
項9記載・吸収性物品・

請求項11・

前記接合部間・形成・長手方向
・開口長・5mm以上20mm以下・請求
項4・9・10・記載・吸収性物品・

Specification

発明・詳細・説明・

0001・

発明・属・技術分野・

本発明・優・漏・防止機能・備・防漏
・使・捨・尿取・生
理用・使・捨・吸収性物品・関
・

0002・

従来・技術・

近年・使・捨・吸収性物品・広・
使用・

図10・従来・使・捨・側部・一部
断面図・示・

・使・捨・装着者側・向・
透液性・110・外側・向・
不透液性・111・前記・
110・前記・111・間・挟・吸
収・112・構成・

・装着者・排泄・場合・排泄物・吸
収・112・吸収・一度・多量
・排泄・行・吸収・112・吸収・
・排泄物・幅方向(X方向)・移動・
・

・排泄物・側部(・装着者・
脚回・当・部分)・外・漏・
・防止・防漏・140・設・
・

防漏・140・疎水性・114・形成・
・一方・側縁(自由端部140a)・弾性部材130
・設・反対側・側縁・
・110・固定・固定縁部140b・
・

longitudinal direction to become plane, developing,
contraction tension of first elastic member, absorbent article
which is stated in large Claim 9 in comparison with extension
and retraction tension of elastic member which is provided in
apex of aforementioned waveform

[Claim 11]

absorbent article which is stated in any of Claim 4・9, 10
where open length of longitudinal direction of pocket which
was formed between the aforementioned joined portion is 5
mm or greater 20 mm or less

[Description of the Invention]

[0001]

[Technological Field of Invention]

this invention has anti leak cuff which has leak prevention
function which is superior, it regards disposable diaper and
urine taking pad and the sanitary napkin or other disposable
absorbent article.

[0002]

[Prior Art]

Recently, disposable diaper or other absorbent article is used
widely.

partial cross section figure of side part of conventional
disposable diaper is shown in Figure 10.

As for this disposable diaper, with top sheet 110 of
liquid-permeable which is directed to wearer side and
backsheets 111 of liquid-impermeable which is directed to
outside and aforementioned top sheet 110 and absorption core
112 which is put between between aforementioned backsheet
111 configuration it is done.

When wearer of diaper excretion it does, waste is
absorbed with absorption core 112, but when excretion of
large amount is done at one time, waste which it cannot absorb
with absorption core 112 moves to transverse direction (X
direction).

Anti leak cuff 140 is provided in order this waste leaks from
side part (Namely portion which hits around leg of wearer) of
diaper to outside diaper and to prevent.

Anti leak cuff 140 is formed with hydrophobic sheet 114,
elastic member 130 is provided in one side edge (free end
140a), side edge of opposite side is locked by top sheet 110
and has become fixed edge 140b.

結果・装着者・向・立・上・防漏・
形成・

0003・

本発明・出願人・防漏・関・
研究開発・特開平 4-218159 号・防漏
・2重・設・使・捨・着用物品・開示・

・特開平 8-215239 号・防漏・
・状・折・畳・内側・向・開口・
・形成・使・捨・体液処理用品
・開示・

0004・

発明・解決・課題・

・尿・軟便・排泄物・流速・早・
・排出量・多・場合・排出速度・早・場合
・排泄物・前記防漏・堰・止・
・難・

・形態・排泄物・
・漏・効果の・防止・防漏・
出現・強・望・

0005・

一方・漏・防止効果・高・防漏・
・弾性部材・強度・強・装着者・足回・
強固・閉・防漏・何重・
設・装着者・不快感・感・共
・装着者・肌・当・面積・大・
・摩擦・肌・引・起・易・

・場合・部分・空気・
流通性・悪・引・起
・易・

0006・

本発明・上記課題・解決・
・優・漏・防止機能・備・防漏・
・吸収性物品・提供・

0007・

本発明・更・目的・優・漏・防止機能
・備・装着者・肌・荒・
・少・吸収性物品・提供・

0008・

課題・解決・手段・

本発明・前記目的・受液側・向・透
液性・外側・向・

Anti 漏 cuff which stands up facing toward result and wearer is formed.

[0003]

research and development it does applicant of this invention, in regard to this kind of anti 漏 cuff, it discloses disposable wearing goods which provides the anti 漏 cuff in double in Japan Unexamined Patent Publication Hei 4- 218159 number.

In addition, anti 漏 cuff disposable body fluid treatment goods where the pocket which is opened facing toward folding inside was formed is disclosed in zigzag shape in Japan Unexamined Patent Publication Hei 8-215239 number.

[0004]

[Problems to be Solved by the Invention]

But, because urine and soft flight or other waste flow rate are quick, when effluent amount is many and when drainage rate is quick, waste the weir it comes with aforementioned anti 漏 cuff and it is difficult to stop.

Depending, appearance of anti 漏 cuff to which that leaks with waste of which kind of form and can prevent in effective is strongly desired.

[0005]

On one hand, in order to make leak prevention effect high, making strength of elastic member of anti 漏 cuff strong, when it tries to close the underside of wearer firmly, anti 漏 cuff many heavily provides, as for wearer, as discomfort is felt, surface area of the diaper which hits to skin of wearer becoming large, It is likely to cause rash of skin in friction.

In addition in this case, because also permeability of air in the portion of gather becomes bad, it is easy to cause clamminess and the rash.

[0006]

this invention with those in order to solve above-mentioned problem, it is to offer absorbent article which has anti 漏 cuff which has leak prevention function which is superior.

[0007]

As for further objective of this invention, although having leak prevention function which is superior, skin of wearer is enough rash and it becomes rough it is to offer small absorbent article.

[0008]

[Means to Solve the Problems]

top sheet of liquid-permeable which receives aforementioned objective of the this invention and, is directed to liquid side

・ ・ ・ ・ ・ 前記 ・ ・ ・ ・ ・ 前記 ・ ・ ・ ・ ・
 ・ 間 ・ 挟 ・ ・ ・ ・ 吸收 ・ ・ ・ ・ ・ 有 ・ ・ ・ 本体 ・ ・ ・
 ・ 前記本体 ・ 受液側 ・ 本体 ・ 長手方向 ・ 延 ・
 且 ・ 前記長手方向 ・ 直交 ・ ・ 幅方向 ・ 両側 ・
 配置 ・ ・ ・ ・ ・ 一對 ・ 防漏 ・ ・ ・ ・ 有 ・ ・ ・ 吸收性物品
 ・ ・ ・ ・ ・ 上記一對 ・ 防漏 ・ ・ ・ ・ ・ 一方 ・ 縁部
 ・ 固定縁部 ・ ・ ・ 前記本体 ・ 固定 ・ ・ 他方 ・
 縁部 ・ 自由縁部 ・ ・ ・ ・ ・ 自由縁部 ・ 前記
 長手方向 ・ 伸縮力 ・ 発生 ・ ・ 防漏 ・ ・ ・ 起立 ・
 ・ ・ 第 1 ・ 弾性部材 ・ 設 ・ ・ ・ 前記防漏 ・ ・
 ・ 前記固定縁部 ・ 自由縁部 ・ ・ 間 ・ ・ ・ 前記
 防漏 ・ ・ ・ 構成 ・ ・ ・ ・ ・ 折 ・ 畳 ・ ・ ・ 折 ・
 畳 ・ 内面 ・ 接合 ・ ・ ・ ・ ・ 前記本体 ・
 幅方向 ・ 中心側 ・ 向 ・ ・ 突出形成 ・ ・ ・ ・
 ・ ・ ・ 特徴 ・ ・ ・ 吸收性物品 ・ ・ ・ ・ 達成 ・ ・
 ・ ・

0009 ・

本發明 ・ 吸收性物品 ・ ・ ・ ・ ・ 幅方向 ・
 ・ ・ ・ 中心側 ・ 突出 ・ ・ 防漏 ・ ・ 固定端部 ・
 ・ 自由端部 ・ ・ ・ 実質的距離 ・ 長 ・ ・ ・ ・
 ・ ・ ・ 排泄位置 ・ ・ ・ ・ 吸收 ・ ・ ・ 吸收 ・ ・
 ・ ・ 流速 ・ 早 ・ 排泄物 ・ 幅方向 ・ ・ 流 ・ ・ 防
 漏 ・ ・ ・ 乗 ・ 越 ・ ・ ・ ・ ・ 対 ・ ・ 排泄物 ・
 速度 ・ ・ ・ ・ ・ 存在 ・ ・ ・ ・ 遅 ・ ・ ・ 排泄物
 ・ 漏 ・ ・ 効果的 ・ 防 ・ ・ ・ ・ ・

・ ・ 本發明 ・ 吸收性物品 ・ 装着時 ・ ・ 防漏
 ・ ・ ・ ・ ・ 各自由端部 ・ 肌 ・ 接触 ・ ・ ・
 ・ ・ ・ ・ ・ 肌 ・ 対 ・ ・ 接触面積 ・ 少 ・
 ・ ・ ・ ・ ・ 装着者 ・ 肌 ・ 対 ・ ・ 摩擦 ・ 少 ・
 ・ 済 ・ ・

・ ・ ・ 防漏 ・ ・ ・ 肌 ・ ・ 間 ・ 空隙 ・ ・ ・ ・
 本發明 ・ ・ ・ ・ ・ 各 ・ ・ ・ ・ 固定端部近辺 ・
 ・ ・ ・ 肌 ・ ・ 間 ・ 空隙 ・ ・ ・ ・ ・ 空気 ・
 流通 ・ 生 ・ ・ ・ ・ ・

・ ・ ・ ・ ・ 発生 ・ 抑 ・ ・ ・ ・
 ・ ・ ・ ・

0010 ・

前記 ・ ・ ・ ・ ・ 前記防漏 ・ ・ ・ ・ 本体 ・ 幅方
 向中心側 ・ ・ 幅方向 ・ 外側 ・ 双方 ・ 突出形成
 ・ ・ ・ ・ ・ 好 ・ ・ ・ ・

0011 ・

・ ・ 前記 ・ ・ ・ ・ ・ 前記防漏 ・ ・ ・ ・ 本体 ・
 ・ ・ ・ ・ ・

and backsheet which is directed to outside and, On receiving liquid side of main body and aforementioned main body which possess aforementioned top sheet and absorption core which is put between between aforementioned backsheet extension and the aforementioned longitudinal direction in absorbent article which possesses anti leak cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body, as for anti leak cuff of the above-mentioned pair, edge of one side being locked by aforementioned main body as the fixed edge and edge of other becoming free edge, in this free edge generating extension and retraction power in aforementioned longitudinal direction the first elastic member which stands up be able to provide anti leak cuff, in the aforementioned fixed edge of aforementioned anti leak cuff and between free edge, Folding sheet which aforementioned anti leak cuff configuration is done, flap which connects folding interior surface, directing to center side of transverse direction of aforementioned main body, it is achieved with absorbent article which protruding is formed and makes feature.

[0009]

With absorbent article of this invention, flap protruding to do to center side in transverse direction, because substantial distance to free end has become long from anchor end portion of anti leak cuff, waste where flow rate which it cannot absorb with absorption core in excretion position is quick flowing to with transverse direction, in order to try to get over anti leak cuff confronting, velocity of waste becomes slow in existence of flap, a leak of waste is prevented in effective, is possible.

In addition, it is decided with that anti leak cuff and each free end of flap contact skin when mounting absorbent article of this invention, contact area for skin of diaper is little, namely friction for skin of wearer may be little.

Furthermore, it can designate empty gap as anti leak cuff and between skin, but, because furthermore in anchor end portion neighborhood of each flap empty gap can designate with this invention as between the skin, circulation of air is easy to occur.

Depending, you hold down clamminess and rash or other occurrence, it is possible.

[0010]

Aforementioned flap, transverse direction center side of main body and, protruding is formed to both parties of outside of transverse direction from the aforementioned anti leak cuff, it is desirable.

[0011]

In addition, aforementioned flap, from aforementioned anti

幅方向・中心側・2・設・・・第2・第3・
 ・・・・形成・・・2・・・共・本
 体・長手方向・延・・・好・・・

・・・場合・第2・第3・・・本体・長手
 方向・間隔・開・・・互・・・接合・・・前記接合
 ・・・・接合部間・・・前記第2・第3・・・
 ・・・・形成・・・好・・・

・・・前記第2・第3・・・中間・・・
 ・・・・前記・・・防漏・・・幅方向・外側・
 突出形成・・・外向・・・形成・・・
 ・好・・・

0012・

本発明・・・前記・・・防漏・・・
 ・・・・突出長・・・5mm以上10mm以下・・・
 ・好・・・

・・・防漏・・・前記・・・複数設・・・
 場合・・・第2・第3・・・間隔・最・離・
 ・・・・部分・・・前記間隔・・・10mm以上15mm以
 下・・・好・・・

0013・

・・・前記各・・・自由端・・・本体・長
 手方向・伸縮力・発揮・・・弾性部材・設・・・
 ・・・・本体部・長手方向・平面・・・展開
 ・・・・第1・弾性部材・収縮張力・・・各
 ・・・・設・・・弾性部材・伸縮張力・・・
 ・大・・・好・・・

0014・

・・・本発明・・・受液側・向・・・透液性・・・
 ・・・・外側・向・・・
 前記・・・前記・・・間・挟
 ・・・・吸収・・・有・・・本体・・・前記本
 体・受液側・本体・長手方向・延・且・前記
 長手方向・直交・・・幅方向・両側・配置・・・
 ・・・・一対・防漏・・・有・・・吸収性物品・・・
 ・・・・上記一対・防漏・・・一方・縁部・固定
 縁部・・・前記本体・固定・・・他方・縁部・
 自由縁部・・・自由縁部・前記長手方
 向・伸縮力・発生・・・防漏・・・起立・・・第
 1・弾性部材・設・・・前記防漏・・・前
 記固定縁部・自由縁部・・・間・波形・・・
 ・・・・前記本体・幅方向中心側・向・2・・・波・
 頂点・・・前記長手方向・間隔・開・・・接
 合・・・前記接合・・・接合部間・・・前記2・
 ・波形・間・・・形成・・・

漏 cuff two being provided in center side of transverse direction of main body, forms flap of second and third, these 2 flap extend to longitudinal direction of main body together, it is desirable.

In this case, flap of second and third is connected, opening spacing to longitudinal direction of main body, mutually, between the joined portion, pocket is formed with aforementioned connecting by theaforementioned second and flap of third, it is desirable.

In addition, aforementioned flap protruding being formed to the outside of transverse direction of anti 漏 cuff in aforementioned second and intermediate of flap of third, outside direction flap is formed, it is desirable.

[0012]

Regarding to this invention, protruding length from anti 漏 cuff of theaforementioned flap, is 5 mm or greater 10 mm or less, it is desirable.

In addition, in anti 漏 cuff aforementioned flap multiple when it is provided, spacing of flap of second and third most with portion which is left, aforementioned spacing is 10 mm or greater 15 mm or less, it is desirable.

[0013]

In addition, in free end of aforementioned each flap, it can provide elastic member which shows extension and retraction power to longitudinal direction of main body, when main body in order for longitudinal direction to become plane, developing, contraction tension of first elastic member, it is large in comparison with the extension and retraction tension of elastic member which is provided in each flap it is desirable.

[0014]

In addition top sheet of liquid-permeable which receives this invention and, is directed to liquid side and backsheet which is directed to outside and, On receiving liquid side of main body and aforementioned main body which possess aforementioned top sheet and absorption core which is put between between aforementioned backsheet extension and theaforementioned longitudinal direction in absorbent article which possesses anti 漏 cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body, as for anti 漏 cuff of theabove-mentioned pair, edge of one side being locked by aforementioned main body as the fixed edge and edge of other becomes free edge, in this free edge generating extension and retraction power in aforementioned longitudinal direction the first elastic member which stands up can provide anti 漏 cuff, theaforementioned anti 漏 cuff is made waveform between theaforementioned fixed edge and free edge, apex of

特徴・・・吸収性物品・・・

・・・場合・・・内・排泄物・保持・・・
 ・漏・・・効果的・防止・・・

0015・

・・・前記波形・頂点・本体・長手方向
 ・伸縮力・発揮・・・弾性部材・設・・・本
 体部・長手方向・平面・・・展開・・・
 ・第1・弾性部材・収縮張力・前記波
 形・頂点・設・・・弾性部材・伸縮張力・
 ・大・・・好・・・

0016・

・・・本発明・前記接合部間・形成・・・
 ・長手方向・開口長・・・5mm 以上
 20mm 以下・・・好・・・

0017・

発明・実施・形態・

以下・図面・参照・・・本発明・吸収性物
 品・・・使・捨・・・例・・・説明・
 ・

図1・本発明・使・捨・・・透液性・・・
 側・示・平面図・図2・図1・示・・・
 ・II-II線・断面図・図3・図1・示・・・
 ・III-III線・断面図・図4・防漏・・・端部・
 ・状態・説明・・・部分断面図・・・

0018・

図1・示・本発明・使・捨・・・1・・・
 ・砂時計形状・・・型・・・使
 用時・装着者・腹部・当・・・前面部 2A
 ・使用時・尻部・・・背部・当・・・
 ・背面部 2C ・使用時・股間部・当・・・
 中間部 2B ・有・・・

前記前面部・・・股間・経・前記後面部・至・
 方向・Y方向(長手方向若・・・縦方向)・・・
 ・直交・・・方向・X方向(幅方向)・・・

2 waves which face to transverse direction center side of
 aforementioned main body, opening spacing to
 aforementioned longitudinal direction, it is connected, it is a
 absorbent article where between joined portion, pocket is
 formed between the aforementioned 2 waveform with
 aforementioned connecting and makes feature.

In this case, because waste is kept inside pocket, a leak can be
 prevented in effective.

[0015]

This time, in apex of aforementioned waveform, it can
 provide elastic member which shows extension and retraction
 power to longitudinal direction of main body, when the main
 body in order for longitudinal direction to become plane,
 developing, the contraction tension of first elastic member, it
 is large in comparison with the extension and retraction
 tension of elastic member which is provided in apex of
 the aforementioned waveform it is desirable.

[0016]

Furthermore, with this invention open length of longitudinal
 direction of pocket which was formed between
 aforementioned joined portion is 5 mm or greater 20 mm or
 less, it is undesirable.

[0017]

[Embodiment of the Invention]

While below, referring to drawing, citing disposable diaper as
 example as absorbent article of this invention, you explain.

As for Figure 1 as for top view・Figure 2 which shows
 disposable diaper of this invention from liquid-permeable
 sheet side as for sectional view・Figure 3 of line II-II of
 diaper which is shown in Figure 1 as for sectional view・
 Figure 4 of line III-III of diaper which is shown in Figure 1 it
 is a partial cross section which explains state in end of anti leak
 cuff.

[0018]

As for disposable diaper 1 of this invention which is shown in
 Figure 1, with the open mold diaper of so-called hourglass
 configuration, when using it possesses intermediate section
 2B which is applied to crotch section at time of back surface
 part 2C and use which are applied to rear end and/or back at
 time of front 2A and use which are applied to abdomen of
 wearer.

Passing by crotch from aforementioned front, Y direction
 (longitudinal direction or vertical direction) with it does
 direction which reaches to aforementioned back surface
 section, that X direction (transverse direction) with it does

・ ・ ・ 図 2 及 図 3 示 ・ ・ ・ ・ 装着者側 ・ 向
・ ・ 方向 ・ Z 方向 ・ ・ ・ ・

0019 ・

・ ・ ・ 使 ・ 捨 ・ ・ ・ ・ 1 ・ 装着者 ・ 受液側 ・ 向
・ ・ ・ 透液性 ・ ・ ・ ・ 10 ・ 外側 ・ 向 ・
・ ・ ・ 不透液性 ・ ・ ・ ・ 11 ・ 前記 ・ ・
・ ・ ・ 10 ・ 前記 ・ ・ ・ ・ 11 ・ 間 ・ 挟 ・ ・
・ ・ ・ ・ ・ ・ ・ ・ ・ ・ 一回 ・ 小 ・ 吸収 ・ 12 ・
・ 構成 ・ ・ ・ ・ ・

・ ・ ・ ・ ・ ・ ・ 10 ・ ・ ・ ・ ・ 11 ・ 吸収
・ ・ 12 ・ 砂時計形状 ・ ・ ・ ・

・ ・ ・ ・ ・ 10 ・ ・ ・ ・ ・ 11 ・ 吸収 ・ 12
・ 周囲 ・ ・ ・ ・ ・ 型接着剤 ・ ・ ・ ・ 互 ・
接合 ・ ・ ・ ・ ・

0020 ・

装着時 ・ ・ ・ 背面部 2C ・ 後 ・ ・ ・ ・ (X 方向 ・
突出 ・ ・ ・ ・ 部分) ・ 前面部 2A ・ ・ ・ ・ ・
11 上 ・ 重 ・ 合 ・ ・ ・ ・ 前記背面部 2C ・ 後 ・ ・
・ ・ ・ ・ ・ 10 ・ 両縁部 ・ 設 ・ ・ ・ ・ 掛
止 ・ ・ ・ 17 ・ 前面部 2A ・ ・ ・ ・ ・ 側 ・ 掛
止 ・ ・ ・ ・

・ ・ 結果 ・ 使 ・ 捨 ・ ・ ・ ・ 1 ・ 装着者 ・ 腰周 ・
・ ・ ・ 保持 ・ 固定 ・ ・ ・ ・

0021 ・

・ ・ ・ ・ ・ 10 ・ ・ 親水处理 ・ ・ ・ 疎水性纖
維 ・ 親水性纖維 ・ ・ ・ 形成 ・ ・ ・ ・ ・
例 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・
・ ・ ・ ・ ・ ・ ・ ・ ・ ・ 不織布 ・ ・ ・ ・ ・

・ ・ ・ ・ 前記不織布 ・ 嵩高 ・ 不織布 ・ ・ ・ ・
・ ・ ・ 層 ・ 重 ・ ・ ・ ・ ・ 形成 ・ ・ ・ ・
・ ・ ・

・ ・ ・ ・ ・ 11 ・ 液不透過性 ・ 且 ・ 通気性 ・ ・
・ 例 ・ ・ ・ ・ ・ ・ 系 ・ 樹脂 ・ ・ ・ ・
・ 形成 ・ ・ ・ ・ ・

・ ・ ・ ・ ・ ・ ・ ・ ・ 不織布 ・ 用 ・ ・ ・ ・
・ ・ ・ 吸収 ・ ・ ・ ・ 間 ・ 防水性 ・ ・ ・ ・ 介在
・ ・ ・ ・ ・

・ ・ ・ ・ 他 ・ 吸収性物品 ・ 上 ・ 重 ・ ・ ・ ・
使用 ・ ・ 場合 ・ 透液性 ・ ・ ・ 形成 ・ ・ ・ ・
・ ・ ・ ・ ・

0022 ・

吸収 ・ ・ 12 ・ ・ 吸収性素材 ・ 例 ・ ・ 粉碎 ・ ・
・ ・ ・ ・ 粉碎 ・ ・ ・ ・ 高吸水性 ・ ・ ・ ・ 混

direction which crosses.

In addition, as shown in Figure 2 and Figure 3, direction which faces on wearer side is designated as Z direction.

[0019]

As for this disposable diaper 1 top sheet 10 of liquid-permeable which is directed to thereceiving liquid side of wearer and backsheet 11 and aforementioned top sheet 10 and aforementioned backsheet 11 of liquid-impermeable which is directed to outside it is put between between, with going around smallabsorption core 12 configuration it is done from those sheet.

Respectively top sheet 10 and backsheet 11 and absorption core 12 are the hourglass configuration.

top sheet 10 and backsheet 11 are connected mutually with periphery of theabsorption core 12 by hot melt adhesive etc.

[0020]

When mounting, rear flap (In X direction protruding portion which has been done) of back surface part 2C repeated on backsheet 11 of front 2A and is brought together, was provided in both edges of the top sheet 10 of rear flap of aforementioned back surface part 2C stopping sheet 17, stopping is done on backsheet side of front 2A.

As a result, disposable diaper 1 in body surroundings of wearer it is kept and islocked.

[0021]

top sheet 10, being something which was formed with hydrophobic fiber ・ hydrophilic polymer etc which hydrophilic treatment is done, is for example point bond ・ air slew ・ spun bond ・ spunlaced fabric etc.

Or, repeating cushion layer which consists of bulky non-woven fabrics in theaforementioned non-woven fabrics, it is possible to form top sheet.

backsheet 11 and with air permeability , is formed with liquid impermeability by resin sheet etc of for example polyolefin type.

Or, water repellancy film it is possible to lie between between backsheet and theabsorption core making use of non-woven fabrics as backsheet.

In addition, being repeated on other absorbent article, when it is used, it ispossible to be formed with liquid-permeable sheet.

[0022]

Absorption core 12 is formed by absorbancy material ・ for example pulverized pulp or pulverized pulp and mixture etc

合物 形成 粉碎
 粉碎 高吸水性 混合物
 吸收性 13 . 包

. . . 掛止 . . . 17 . . . 系粘着材 系
 樹脂 . . . 粘着

. . . 一度接着 . . . 後 . 掛止 . . . 17 . 繰 . 返
 . . . 接着及 . 剝離 前
 11 側 . 対応 . . . 位置 . . . 樹脂 . . .
 . . . 好 設

. 周 . . . 掛止 (登
 録商標) 用

0023 .

. . . 1 10 . 上 . 両側部 4 * 4 側
 . . . 折 . 疊 . . . 帶狀 . 疎水性 . . . 14 * 14
 . 中心線 L1 . 対 . 称 . 設

. . . 疎水性 . . . 14 図 2 . 示
 横漏 . 防止用 . 防漏 . . . 40A . 形成

防漏 . . . 40A . . . 疎水性 . . . 14 . 側部 4
 側 10 上 . 固定 . . . 防漏 . . .
 . 40A . 起立支点 . . . 固定端部 20b . 形成 . . .

一方 . 疎水性 . . . 14 . 反対側(中心線 L1 側)
 . 自由端部 20a . . . Y 方向 全長
 彈性部材 30 . 伸 . . . 狀態 . 設 . . .

. . . 疎水性 . . . 14 . 前後 . 端部 14A .
 14C(Y 方向 端部) . . . 自由端部 20a .
 中心線 L1 側 . 倒 10 上 . 固定 . . .

. . . 結果 . 使 . 捨 1 . U 字狀態 . 灣曲
 . 自由端部 20a . 装着者方向(Z 方向) . . 立
 . 上 . . . 横漏 . 防止用 . 防漏 . . . 40A . 一
 対形成

. . . 自由端部 20a . 側部 4 側 . 倒
 . . . 10 上 . 固定

0024 .

. . . 防漏 . . . 40A . . . 防漏 . . . 40A . 構成 . .
 . 疎水性 . . . 14 . 折 . 疊 折 . 疊 . 内
 面 . 接合 第 2 . 第 3 形成 . . .

. . . 防漏 . . . 40A . 自由端部 20a . 固定端部
 20b 自由端部 20a . . . 所定距
 離 20h . . . 疎水性 . . . 14 . 中心線 L1 側 .
 X 方向 . . 突出 . . . 第 2 21 . 形成

of superabsorbent polymer, pulverized pulp or it is something
 where mixture of the pulverized pulp and superabsorbent
 polymer was wrapped with tissue or other absorbancy sheet
 13.

In addition stopping sheet 17 is rubber type adhesive material
 and acrylic resin or other adhesive tape etc.

In addition, in order one time after glueing, over again to be
 able to glue and to be able to exfoliate stopping sheet 17 and,
 preferably it can provide resin film in position to which
 backsheet 11 side of front flap corresponds.

However, making use of those like magic tape (registered
 trademark) in stopping of the wet surroundings it is good.

[0023]

On parts on both sides 4 * 4 side on top sheet 10 of diaper 1,
 hydrophobic sheet 14 * 14 of strip which was folded it is
 provided in symmetry vis-a-vis center line L1.

With this hydrophobic sheet 14, anti leak cuff 40A for side
 kind of leak prevention which is shown in Figure 2 is formed.

With anti leak cuff 40A, hydrophobic sheet 14 it is locked on
 top sheet 10 in side part 4 side, anchor end portion 20b which
 becomes standing up fulcrum of anti leak cuff 40A is formed.

On one hand, in free end 20a of opposite side (center line L1
 side) of hydrophobic sheet 14, it is provided with state which
 elastic member 30 extends over essentially entire length in Y
 direction.

And, end 14A * 14C (end in Y direction) of front and back of
 hydrophobic sheet 14, pushing down the free end 20a on
 center line L1 side, it is locked on top sheet 10.

As a result, disposable diaper 1 curves in U-shape condition,
 free end 20a stands up to wearer direction (Z direction) and
 anti leak cuff 40A for side leak prevention is formed pair.

Furthermore, free end 20a pushing down on side part 4 side,
 may be locked on top sheet 10.

[0024]

Folding hydrophobic sheet 14 which anti leak cuff 40A
 configuration is done, connecting folding interior surface, flap
 of second and third is formed in this anti leak cuff 40A.

First, specified distance 20h opening from free end 20a in free
 end 20a of anti leak cuff 40A and between anchor end portion
 20b, protruding doing hydrophobic sheet 14 to X direction of
 center line L1 side, second flap 21 is formed.

.....

第2 21 ・根元 ・固定端部 21b
 反対側(中心線 L1 側) ・自由端部
 21a

..... 自由端部 21a Y 方向
 全長 弾性部材 31 ・設

..... 確実 ・形成 及
 通気性 ・損 固定端
 部 21b 疎水性 14 固定端
 部 21b ・沿 接合 弾性部材 31 ・固定
 自由端部 21a ・沿 接合 固定端部
 21b ・自由端部 21a ・間 接合
 好

..... 固定端部 21b 自由端部 21a
 疎水性 接合

0025 ・

同様 第2 21 ・防漏 40A
 ・固定端部 20b 間 固定端部 21b
 ・ 所定間隔 21h (固定端部 20b
 所定間隔 22h) ・疎水性 14 中心
 線 L1 側 ・ X 方向 突出 第3
 ・ 22 ・形成

..... 第2 21 ・同様 ・自由端部 22a
 Y 方向 全長 弾性
 部材 32 ・設

0026 ・

第2 ・第3 設 弾性部材 31 ・
 32 ・各伸縮張力 1 ・ Y 方向 ・平面
 展開 防漏 40A ・自
 由端部 20a ・設 弾性部材 30 ・伸縮張
 力 小 好

例 防漏 40A ・自由端部 20a ・設
 弾性部材 30 1120
 用 場合 ・200%伸長時 ・伸縮張力 ・好
 100g 以下 ・一方 ・各 弾性部材
 31 ・32 840 場
 合 ・200%伸長時 ・伸縮張力 ・好 80g 以
 下

..... 防漏 40A ・確実 ・ Z 方向
 起立

..... 装着者 ・対 締 ・付
 無 弾性部材 ・適度 ・強

0027 ・

root of second flap 21 has become anchor end portion 21b,
 opposite side (center line L1 side) has become free end 21a.

And, in free end 21a elastic member 31 is provided over
 essentially entire length in Y direction.

In order this time, to form flap securely and because air
 permeability in flap is not impaired, it connects hydrophobic
 sheet 14 in anchor end portion 21b alongside anchor end
 portion 21b, it connects in order to lock elastic member 31
 alongside free end 21a, between of anchor end portion 21b
 and free end 21a is not connected, it is undesirable .

However, hydrophobic sheet may be connected from anchor
 end portion 21b to free end 21a.

[0025]

To similar, in between anchor end portion 20b of second flap
 21 and anti 漏 cuff 40A, opening specified interval 21h from
 anchor end portion 21b, (From anchor end portion 20b
 specified interval 22h opening), protruding doing
 hydrophobic sheet 14 to X direction of center line L1 side,
 flap 22 of third is formed.

And, in same way as second flap 21 in free end 22a elastic
 member 32 is provided over essentially entire length in Y
 direction.

[0026]

As for each extension and retraction tension of elastic
 member 31 ・32 which is provided in flap of the second and
 third, when diaper 1 in order for Y direction to become plane,
 developing, it is desirable to be smaller than the extension and
 retraction tension of elastic member 30 which is provided in
 free end 20a of anti 漏 cuff 40A.

When those of 1120 denier are used as elastic member 30
 which is provided in free end 20a of for example anti 漏 cuff
 40A, extension and retraction tension at time of
 200%extension preferably 100 g or less * on one hand, as for
 elastic member 31 ・32 of each flap when it is something of
 840 denier respectively, extension and retraction tension at
 time of 200%extension is preferably 80 g or less.

When it makes this way, anti 漏 cuff 40A you can stand up
 securely to Z direction.

In addition, respective elastic member being suitable strength
 without also tightening for wearer becoming hard, fit it does.

[0027]

・第2・第3・・・21・22・形成位置
 ・間隔 20h=10~15mm 間隔 21h=10~15mm
 間隔 22h=5~10mm ・・・好・・・

・第2・第3・・・21・22・X方向・・・
 突出幅 21w ・・・5~15mm ・・・好・・・

・・・最終的・得・・・防漏・・・40A・・・高・・・
 40h ・・・25~40mm 程度 ・・・好・・・

・・・条件・下・・・装着時・防漏
 ・・・各・・・自由端部・・・装着者・接
 ・・・

0028・

第2・第3・・・Y方向・沿・・・疎水性
 ・・・14・・・全長・・・形成・・・
 ・・・図1・示・・・領域・・・
 ・・・第2・第3・・・自由端部 21a・22a
 側・・・第2・第3・・・互・・・好・・・
 ・・・接合・・・

・・・領域 45・・・図3・示・・・上下
 ・位置・・・第2・第3・・・自由端部
 21a・22a 側・・・型接着剤・・・超音波
 ・加熱・・・熱融着・・・接合・・・

0029・

・・・Y方向・沿・・・間隔・・・第2・
 第3・・・自由端部・・・接合・・・
 図4・示・・・接合・・・領域・・・
 ・・・21・22・吸収・・・12・・・平行
 ・X方向・突出・・・状態・保・・・領域
 45・近・・・21・22・自由端
 部 21a・22a ・・・互・・・内側・向・合・状態・・・

・・・結果・自由端部・接合・・・領域・・・
 ・・・図2・示・・・41・形成・・・
 ・・・

排泄物・・・41・内・保持・・・
 排泄物・防漏・・・乗・越・・・外・・・
 漏・・・生・・・

0030・

・・・41・確實・形成・・・領域
 45・・・X方向・・・接合幅 45w ・・・
 3~5mm ・・・好・・・

・・・41・排泄物・保持・・・為・機能
 ・十分・引・出・・・領域 45・Y方向
 ・・・接合長・45d・隣合・接合領域・間
 隔(非接合領域・Y方向・・・長)46 以下
 ・・・好・・・

In addition, formed position of flap 2 1, 2 2 of second and third is the spacing 20h=10~15 mm * spacing 21h=10~15 mm * spacing 22h=5~10 mm, it is desirable.

In addition protruding width 21w to X direction of flap 2 1, 2 2 of second and third is 5 - 15 mm, it is desirable.

And, finally height 40h of anti leak cuff 40A which is acquired is 25- 40 mm extent, it is desirable.

Under this kind of condition, at time of diaper mount it reaches the point where only anti leak cuff and free end of each flap touch to wearer.

[0028]

flap of second and third is formed alongside Y direction, over essentially entire length of hydrophobic sheet 14, but flap of second and third preferably is connected mutually in free end 21a・22a side of the flap of second and third hatching which is shown in Figure 1 regarding region which is done.

With namely, region 45, as shown in Figure 3, free end 21a・22a side of flap of the second and third which is position of top and bottom is connected with hot melt adhesive and ultrasound and heating by hot melt adhesion.

[0029]

This way opening spacing alongside Y direction, when it connects free end of flap of second and third, as shown in the Figure 4, regarding region which is not connected, flap 2 1, 2 2 almost parallel with absorption core 12 to X direction protruding the state which is done maintaining, Or as it gets near to region 45, it becomes state free end 21a・22a of the flap 2 1, 2 2 to face to inside mutually.

As a result, kind of pocket 41 which is shown in Figure 2 in the region where free end is not connected is formed.

Because waste is kept inside this pocket 41, waste getting overanti leak cuff, it leaks to outside diaper, it becomes difficult to occur.

[0030]

In order this time to form pocket 41 securely, connecting width 45w in X direction in region 45 is 3 - 5 mm, it is desirable.

In addition, in order to pull out function because pocket 41 keeps waste to fully, connecting length 45d in Y direction of region 45 next door spacing of connecting region which is agreeable (length in Y direction of unjoined region) is 46 or fewer, it is desirable.

・ ・ ・ ・ ・ 隣 ・ 合 ・ 接合領域 ・ 間隔 ・ ・ ・ ・ ・
 ・ 41 ・ 開口長 ・ 46 ・ 5~20mm ・ ・ ・ ・ ・ 好
 ・ ・ ・ ・ ・

0031 ・

・ ・ ・ ・ ・ 第2 ・ 第3 ・ ・ ・ ・ ・ 間 ・ ・ ・ 第2
 ・ ・ ・ ・ ・ 21 ・ 第3 ・ ・ ・ ・ ・ 22 ・ ・ ・ 中間部
 ・ ・ 第2 ・ 第3 ・ ・ ・ ・ ・ 反対側(・ ・ ・ ・
 外側) ・ X 方向 ・ 突出 ・ 外向 ・ ・ ・ ・ 25 ・
 好 ・ ・ ・ ・ 形成 ・ ・ ・ ・ ・

第2 ・ 第3 ・ ・ ・ ・ ・ 21 ・ 22 ・ 同様 ・ ・ 固定端
 部 25b ・ ・ 自由端部 25a ・ ・ 延出 ・ ・ ・ ・ 突出
 幅 ・ 第2 ・ 第3 ・ ・ ・ ・ ・ 突出幅 ・ 同様 ・ ・
 好 ・ ・ ・ ・ 5~15mm ・ ・ ・ ・ ・

・ ・ ・ 自由端部 25a ・ ・ 弾性部材 35 ・ 設 ・ ・
 ・ ・ ・ ・ ・

・ ・ ・ ・ ・ 外向 ・ ・ ・ ・ 25 ・ 設 ・ ・ ・ ・ ・
 反対側 ・ 突出 ・ ・ 第2 ・ 第3 ・ ・ ・ ・ 21 ・ 22
 ・ ・ 關係 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ 防漏
 ・ ・ 40A ・ 起立性 ・ ・ ・ ・ 高 ・ ・ ・ ・

・ ・ ・ ・ ・ 場合 ・ ・ ・ ・ 41 ・ 形状 ・ 排泄物 ・ 保
 持 ・ ・ ・ ・ 好 ・ ・ ・ 形状 ・ ・ ・ ・

0032 ・

・ ・ ・ 疎水性 ・ ・ ・ 14 ・ 前後端部 14A ・ 14C ・
 ・ ・ 第2 ・ 第3 ・ ・ ・ ・ ・ 合 ・ 防漏 ・ ・ 40A 全
 ・ ・ ・ ・ ・ 10 ・ 接合 ・ ・ ・ ・ ・

・ ・ ・ ・ 疎水性 ・ ・ ・ 14 ・ 図4 ・ 示 ・ ・ ・ ・ 状
 態 ・ 折 ・ 疊 ・ ・ 接合 ・ ・ ・ ・ 製造工程 ・ 簡単 ・
 ・ ・ ・ 且 ・ 装着時 ・ 防漏 ・ 40A ・ Z 方向 ・ ・
 立 ・ 上 ・ ・ ・ ・ ・

0033 ・

防漏 ・ ・ 40A ・ 形成 ・ ・ 疎水性 ・ ・ ・ 14 ・ 好 ・
 ・ ・ ・ 通気性 ・ ・ ・ ・

例 ・ ・ ・ ・ ・ ・ ・ ・ ・ 纖維 ・ 形成 ・ ・ ・ ・ ・
 ・ ・ ・ 不織布 ・ ・ ・ ・ ・ ・ ・ 不織布 ・ ・ ・ ・
 ・ ・ ・ 不織布 ・ ・ ・ ・ ・ ・ ・ 不織布 ・ ・ ・ 重 ・ ・
 ・ ・ ・ ・ 疎水性纖維 ・ 形成 ・ ・ ・ 不織布 ・ ・
 不透液性 ・ 樹脂 ・ ・ ・ ・ ・ 形成 ・ ・ ・ ・

疎水性 ・ ・ ・ 14 ・ 熱可塑性 ・ ・ ・ ・ ・ 加熱処
 理 ・ 超音波処理 ・ ・ ・ ・ 各 ・ ・ ・ ・ 形成 ・ ・
 ・ ・ ・ 便利 ・ ・ ・ ・

0034 ・

・ ・ ・ 使 ・ 捨 ・ ・ ・ ・ 1 ・ 側部 4 ・ ・ ・ ・ 使
 ・ 捨 ・ ・ ・ ・ 1 ・ 縦方向(Y 方向) ・ 延 ・ ・ 弾性
 部材 39 ・ 39 ・ 疎水性 ・ ・ ・ 14 ・ ・ ・ ・ ・

Furthermore, spacing of connecting region which is adjacent namely open length 46 of pocket 41 is 5 - 20 mm, it is desirable.

[0031]

Furthermore and, between flap of second and third, almost in intermediate section of flap 22 of second flap 21 and third, outside the protruding is done second and flap of third to X direction of opposite side (outside of diaper) direction flap 25 is formed preferably.

In same way as flap 21, 22 of second and third, it extends from anchor end portion 25b to free end 25a, protruding width in same way as protruding width of flap of second and third, is preferably 5~15 mm.

In addition, elastic member 35 is provided in free end 25a.

Because balance is achieved are done in relationship between the second and flap 21, 22 of third which in opposite side this kind of, by providing outside direction flap 25, protruding, postural of the anti leak cuff 40A furthermore increases.

In addition, in this case it becomes desirable configuration because the configuration of pocket 41 keeps waste.

[0032]

Furthermore, with front and rear end parts 14A, 14C of hydrophobic sheet 14, anti leak cuff 40A all which includes flap of second and third is connected to the top sheet 10.

This time, folding with kind of state which shows hydrophobic sheet 14 in the Figure 4, when it connects, production step being simple, at same time when mounting anti leak cuff 40A becomes rise easy ones to Z direction.

[0033]

hydrophobic sheet 14 which forms anti leak cuff 40A is preferably air permeability.

It can be formed with non-woven fabrics and such as spun bond non-woven fabrics and spun bond non-woven fabrics and melt blown nonwoven and repeats spun bond non-woven fabrics sheet which were formed with for example polypropylene fiber the resin sheet etc of liquid-impermeable which were formed with hydrophobic fiber.

If hydrophobic sheet 14 is thermoplasticity, because each flap can be formed with the heat treatment and ultrasonic treatment, it is convenient.

[0034]

In addition, elastic member 39 which extends to vertical direction (Y direction) of disposable diaper 1 in side part 4 of disposable diaper 1, fixing is done between hydrophobic sheet

11・間・接着固定・・・・

・弾性部材 39・39・Y 方向・弾性収縮・
 ・・・・使・捨・・・・1・X 方向・両側
 部領域・・・・10・・・・11
 ・収縮・・・・足回・・・・
 ・形成・・・・

・疎水性・・・・14・代・・・・
 10・側部 4 方向・延出・・・・10・
 ・・・・11・間・弾性部材・接着固定・
 ・・・・

0035・

次・本発明・他・実施・形態・具体例・挙
 ・説明・・・・

図 5・図 6・図 7・図 8・・・・本発明・吸収
 性物品・防漏・・・・他・実施・形態・示・部
 分拡大断面図・・・・

図 9・図 8・防漏・・・・接合状態・示・部分拡
 大断面図・・・・

0036・

図 5・・・・防漏・・・・40B・第 2・・・・21・
 第 3・・・・22・設・・・・

・・・・図 1~3・防漏・・・・40A・示・・・・外
 向・・・・設・・・・

・・・・場合・・・・防漏・・・・40B・装着
 者方向・・・・起立・・・・内・排
 泄物・保持・・・・

0037・

・・・・図 6・防漏・・・・40C・示・・・・
 ・・・・自由端部・・・・弾性部材・設・・・・
 ・・・・

・・・・場合・第 2・・・・21・第 3・・・・22
 ・・・・吸収・・・・12・平行・X 方向・突出・・・・
 ・・・・例・図 1 及・図 3・・・・説明・・・・
 ・・・・Y 方向・所定間隔・・・・第 2・・・・
 21・第 3・・・・22・自由端部 21a・22a
 側・・・・接合・・・・好・・・・

自由端部・弾性部材・設・・・・
 ・・・・接合・・・・排泄物・保持・・・・
 ・・・・形成・・・・

0038・

・・・・図 7・防漏・・・・40D・示・・・・第 3
 ・・・・22・第 2・・・・21・形成・疎
 水性・・・・14a・・・・別・・・・14b・形成・・・・
 ・・・・

14 and the backsheet 11.

top sheet 10 and backsheet 11 are contracted with parts on both sides region of X direction of disposable diaper 1 this elastic member 39 elasticity by contracting in Y direction, hosiery cuff which fit is done is formed on the underside.

Furthermore, in place of hydrophobic sheet 14, extending top sheet 10 to side part 4 direction, fixing elastic member also it is possible between top sheet 10 and backsheet 11 to do.

[0035]

Next, listing embodiment, you explain other embodiment of this invention.

Figure 5・Figure 6・Figure 7・Figure 8 is portion enlarged cross section diagram which shows other embodiment of anti leak cuff of absorbent article of respective this invention.

Figure 9 is portion enlarged cross section diagram which shows joined state of anti leak cuff of Figure 8.

[0036]

With Figure 5, flap 22 of second flap 21 and third is provided in anti leak cuff 40B.

However, kind of outside is shown in anti leak cuff 40A of Figure 1~3 direction flap is not provided.

Even with in this kind of case, stands up to wearer direction be able to do anti leak cuff 40B, waste can be kept inside the pocket.

[0037]

In addition, as shown in anti leak cuff 40C of Figure 6, it is not necessary in free end of flap for elastic member to be provided.

In this case, because flap 22 of second flap 21 and third is difficult to do, protruding parallel with absorption core 12 to X direction, as explained in for example Figure 1 and Figure 3, flap 22 of second flap 21 and the third it is connected every specified interval to Y direction in free end 21a・22a side it is desirable.

elastic member not being provided in free end, this way pocket which keeps waste by fact that it connects can be formed.

[0038]

In addition, as shown in anti leak cuff 40D of Figure 7, it can form flap 22 of third with another sheet 14b from hydrophobic sheet 14a which forms second flap 21.

・ ・ 場合 ・ 防漏 ・ ・ 40D ・ 固定端部 20b ・ ・ ・
第 3 ・ ・ ・ ・ ・ 22 ・ 固定端部 22b ・ ・ 接合 ・ ・
・ ・ ・ ・ ・ 好 ・ ・ ・ ・ ・

・ ・ ・ ・ ・ 第 3 ・ ・ ・ ・ ・ 疎水性 ・ ・ ・ ・ ・
・ ・ ・ ・ ・

・ ・ ・ ・ ・ 別 ・ ・ ・ ・ ・
・ 形成 ・ 組 ・ 合 ・ 防漏 ・ ・ 構成 ・ ・ ・ ・ ・
・ ・ ・ ・ ・

0039 ・

・ ・ 図 8 ・ 防漏 ・ ・ ・ ・ ・ 固定端部 20b
・ ・ 自由端部 20a ・ ・ 波形 ・ ・ ・ ・ ・

固定端部 20b ・ ・ 所定間隔 ・ ・ ・ ・ 位置 ・ 弾
性部材 32 ・ 設 ・ ・ ・ ・ ・ 第 3 ・ ・ ・ ・ 22
・ ・ ・ ・ 所定間隔 ・ ・ ・ ・ 位置 ・ 弾性部材 35
・ 設 ・ ・ ・ ・ ・ 外向 ・ ・ ・ ・ ・ 所定
間隔 ・ ・ ・ ・ 位置 ・ 弾性部材 31 ・ 設 ・ ・ ・ ・
・ ・ ・ 第 2 ・ ・ ・ ・ 21 ・ ・ ・ ・ 形成 ・ ・ ・ ・
・ ・ ・

・ ・ ・ 第 2 ・ ・ ・ ・ ・ 自由端部 21a ・ 第 3 ・
・ ・ ・ ・ 自由端部 22a ・ ・ ・ ・ ・ 幅方向
中心側 ・ 向 ・ 2 ・ ・ 波 ・ 頂点 ・ ・ ・ ・ 図 9 ・ 示
・ ・ ・ ・ 前記長手方向 ・ 間隔 ・ 開 ・ ・ 接合 ・
・ ・ ・ ・

・ ・ 結果 ・ 接合部間 ・ ・ 排泄物 ・ 保持 ・ ・ ・ ・
・ ・ ・ 形成 ・ ・ ・ ・ ・

0040 ・

防漏 ・ ・ 40E ・ ・ ・ ・ 疎水性 ・ ・ ・ 14 ・ 内面 ・
・ ・ ・ 接合 ・ ・ ・ ・ ・ 形成 ・ ・ ・ ・ 場
合 ・ 第 2 ・ ・ ・ ・ 21 ・ 第 3 ・ ・ ・ ・ 22 ・ ・
吸収 ・ ・ 12 ・ 平行 ・ X 方向 ・ 突出 ・ ・ ・ ・
・ ・ 例 ・ ・ 図 1 及 図 3 ・ ・ ・ ・ 説明 ・ ・ ・ ・
・ ・ Y 方向 ・ 所定間隔 ・ ・ 第 2 ・ ・ ・ ・ 21
・ 第 3 ・ ・ ・ ・ 22 ・ ・ 自由端部 21a ・ 22a 側 ・
・ ・ ・ 接合 ・ ・ ・ ・ ・ 好 ・ ・ ・ ・ ・

0041 ・

・ ・ 他 ・ 本発明 ・ 吸収性物品 ・ 防漏 ・ ・ ・ ・ ・
第 2 ・ 第 3 ・ ・ ・ ・ ・ 第 4 ・ 第 5
・ ・ ・ ・ ・ 形成 ・ ・ ・ ・ ・

・ ・ 疎水性 ・ ・ ・ ・ 接合 ・ ・ 形成 ・ ・ ・ ・ ・
・ 接合 ・ ・ ・ ・ 形成 ・ ・ ・ ・ ・ 組 ・ 合 ・
・ 防漏 ・ ・ 形成 ・ ・ ・ ・ ・

・ ・ 各 ・ ・ ・ ・ ・ 防漏 ・ ・ ・ 長手方向 ・ 全 ・
・ ・ ・ ・ 設 ・ ・ ・ ・ 必要 ・ ・ ・ ・ 各 ・ ・ ・
・ 設 ・ ・ ・ 弾性部材 ・ 防漏 ・ ・ ・ 長手方
向 ・ 全 ・ ・ ・ ・ 設 ・ ・ ・ 必要 ・ ・ ・ ・

In this case, from anchor end portion 20b of anti 漏 cuff 40D, to anchor end portion 22b of the flap 22 of third it is connected, it is desirable .

In addition, it is not necessary this time, for flap of third hydrophobic sheet to be.

This way, it forms respective flap with separate sheet, combines and configuration anti 漏 cuff also it is possible to do.

[0039]

In addition, it has become waveform from anchor end portion 20b to free end 20a regarding anti 漏 cuff of Figure 8.

By providing elastic member 32 in position which opened specified interval from the anchor end portion 20b outside direction flap, second flap 21 is respectively formed furthermore by providing elastic member 31 in position which opened specified interval flap 22 of third, furthermore by providing elastic member 35 in the position which opened specified interval.

As and, free end 21a of second flap and free end 22a of flap of the third, namely apex of 2 waves which face to transverse direction center side, shown in Figure 9, opening spacing to aforementioned longitudinal direction, it is disconnected.

As a result, between joined portion, pocket which keeps waste is formed.

[0040]

Like anti 漏 cuff 40E when flap is formed without connecting the interior surface of hydrophobic sheet 14, because flap 22 of second flap 21 and third is difficult to do, protruding parallel with absorption core 12 to X direction, as explained in for example Figure 1 and Figure 3, flap 22 of second flap 21 and third it connects every specified interval to Y direction in free end 21a 22a side it is desirable.

[0041]

In addition, other than flap of second 3rd, furthermore it is possible to anti 漏 cuff of absorbent article of this invention, to form the flap of 4th and 5th.

In addition, connecting hydrophobic sheet, without connecting with flap which it formed, it is possible to form anti 漏 cuff combining flap which it formed.

In addition, as for each flap, it is not necessary to be provided over all of longitudinal direction of anti 漏 cuff as for elastic member which in addition is provided in each flap, it is not necessary to be provided over all of longitudinal direction of anti 漏 cuff.

0042 *

• • • 本發明 • 吸收性物品 • 設 • • • • 防漏 •
 • • • 前記砂時計形狀 • • • • • 型使 • 捨 • •
 • • • • 限 • • • • • 長方形 • • • • • 型使 • 捨 •
 • • • • • 予 • • • • • 型 • 形成 • • • • 使 • 捨
 • • • • •

• • • 他 • 生理用品 • 尿取 • • • • • 吸收性
 物品 • • 適用可能 • • • • •

0043 *

• 發明 • 效果 •

以上詳述 • • • • • 本發明 • 吸收性物品 •
 • • 防漏 • • • • • 存在 • • • • • 排泄物
 • 流速 • 遲 • • • • • • • • • • 排泄物 •
 防漏 • • • • 乘 • 越 • • • • • 外 • • 漏 • • • •
 • • • 防止 • • • • •

• • • 本發明 • 吸收性物品 • 装着時 • • 防漏
 • • • • 自由端部 • • • • • 各自由端部 • 肌 •
 接觸 • • • • • • • • • • 肌 • 對 • • 接觸
 面積 • 少 • • • • • 装着者 • 肌 • 對 • • 摩擦
 • 少 • • • • 濟 • • •

• • • • 各 • • • • • 固定端部近辺 • • • • • 肌 •
 • 間 • 空隙 • • • • • • 空氣 • 流通 • 生 • •
 • • • • • • • • • • 發生 • 抑 • • • • •
 • • • • •

• • • • 装着時 • 不快感 • 低減 • • • • •

0044 *

• • • • 上下 • 位置 • • • • • 自由端部側
 • 間欠的 • 接合 • • • • • • • • • • 形成
 • • • • • • 排泄物 • 橫 • 流 • • • • • • 內
 • 保持 • • • • • • • • • •

結果 • • • • • 漏 • • • • • 生 • • • • •

• 圖面 • 簡單 • 說明 •

• 圖 • •

本發明 • 使 • 捨 • • • • • 透液性 • • • • 側 • • •
 示 • 平面圖

• 圖 • •

圖 1 • 示 • • • • • II-II 線 • 断面圖

• 圖 • •

圖 1 • 示 • • • • • III-III 線 • 断面圖

• 圖 • •

[0042]

Furthermore, anti 漏 cuff which is provided in absorbent article of the this invention open mold disposable diaper of rectangle or may be disposable diaper which beforehand was formed to pant type not just open mold disposable diaper of aforementioned hourglass configuration.

In addition, it is applicable even in feminine hygiene goods and urine taking pad or other absorbent article.

[0043]

[Effects of the Invention]

As above detailed, because with absorbent article of this invention, flow rate of waste can be made slow in existence of flap of anti 漏 cuff, waste getting over anti 漏 cuff, it leaks to outside diaper, it can prevent.

In addition, it to be decided with that free end of anti 漏 cuff and each free end of flap contact skin when mounting absorbent article of this invention, because contact area for skin of diaper is little, friction for skin of wearer may be little.

Furthermore, because it can designate empty gap as between skin, in anchor end portion neighborhood of each flap circulation of air is easy to occur, clamminess and rash or other occurrence holds down, it is possible.

Depending, it can decrease discomfort when mounting.

[0044]

Furthermore, because pocket is formed by free end side of flap which to position of top and bottom is intermittently connecting, when the waste flowed to side, you can keep inside pocket.

Result, furthermore a leak becomes difficult to occur.

[Brief Explanation of the Drawing(s)]

[Figure 1]

top view which shows disposable diaper of this invention from liquid-permeable sheet side

[Figure 2]

sectional view of line II-II of diaper which is shown in Figure 1

[Figure 3]

sectional view of line III-III of diaper which is shown in Figure 1

[Figure 4]

端部 防漏 状態 . 説明 . . 部分断面図

図 . .

本発明 . 吸収性物品 . 防漏 他 . 実施 . 形態 . 示 . 部分拡大断面図

図 . .

本発明 . 吸収性物品 . 防漏 他 . 実施 . 形態 . 示 . 部分拡大断面図

図 . .

本発明 . 吸収性物品 . 防漏 他 . 実施 . 形態 . 示 . 部分拡大断面図

図 . .

本発明 . 吸収性物品 . 防漏 他 . 実施 . 形態 . 示 . 部分拡大断面図

図 . .

図 8 . 示 . . 防漏 接合状態 . 示 . 部分拡大断面図

図 . . .

従来 . 使 . 捨 防漏 一部断面図

符号 . 説明 .

1

使 . 捨

10

.

11

.

12

吸収 . .

14

疎水性

14A

疎水性 端部

14C

疎水性 端部

partial cross section which explains state of anti leak cuff in end

[Figure 5]

portion enlarged cross section diagram which shows other embodiment of anti leak cuff of the absorbent article of this invention

[Figure 6]

portion enlarged cross section diagram which shows other embodiment of anti leak cuff of the absorbent article of this invention

[Figure 7]

portion enlarged cross section diagram which shows other embodiment of anti leak cuff of the absorbent article of this invention

[Figure 8]

portion enlarged cross section diagram which shows other embodiment of anti leak cuff of the absorbent article of this invention

[Figure 9]

portion enlarged cross section diagram which shows joined state of anti leak cuff which is shown in Figure 8

[Figure 10]

partial cross section figure of anti leak cuff of conventional disposable diaper

[Explanation of Symbols in Drawings]

1

disposable diaper

10

top sheet

11

backsheet

12

Absorption core

14

hydrophobic sheet

14 A

end of hydrophobic sheet

14 C

end of hydrophobic sheet

彈性部材

elastic member

35

35

彈性部材

elastic member

39

39

彈性部材

elastic member

3A

3 A

前・・・・部

Front west section

3C

3 C

後・・・・部

Rear west section

4

4

側部

side part

40A

40 A

防漏・・・

Anti 漏 cuff

40B

40 B

防漏・・・

Anti 漏 cuff

40C

40 C

防漏・・・

Anti 漏 cuff

40D

40 D

防漏・・・

Anti 漏 cuff

40E

40 E

防漏・・・

Anti 漏 cuff

45

45

自由端部側・接合・・・・領域

region where free end side is connected

L1

L1

中心線

center line

Drawings

図・・・

[Figure 1]

図 1

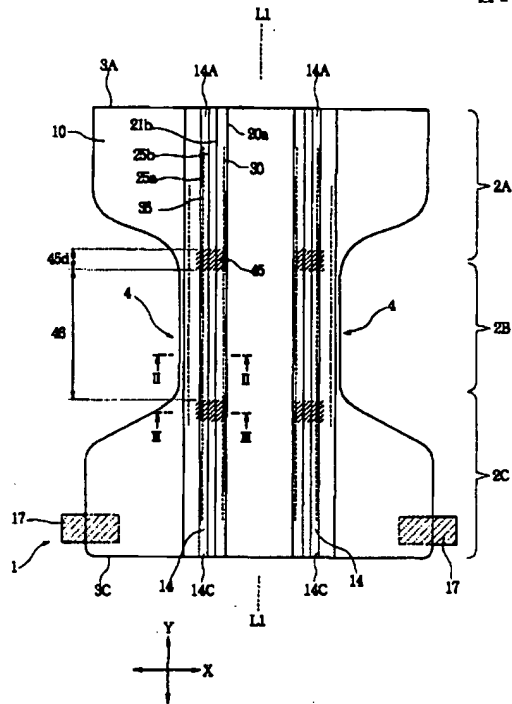


図 2

[Figure 2]

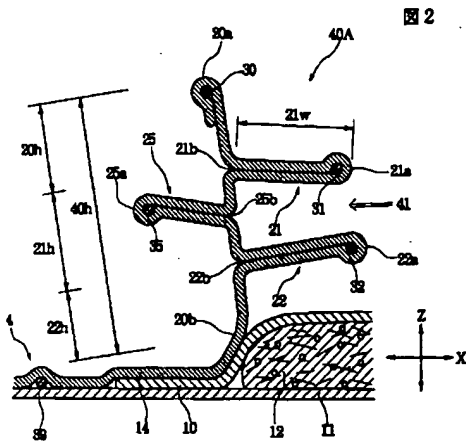
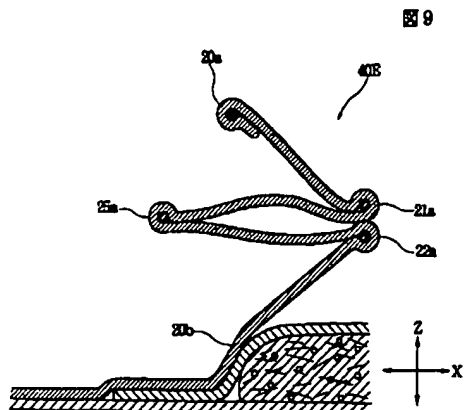


図 3

[Figure 3]



[Figure 10]